I.., IB2004/000894 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B21F23/00 B65G47/14 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B21F B65G B21D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. EP 1 356 875 A (SCHNELL SPA) 1,2,12, 29 October 2003 (2003-10-29) 13,18 column 3, line 39 - column 7, line 55; figures 21-28 DE 79 16 259 U (PREIS KARL) Α 1,2,11, 27 September 1979 (1979-09-27) 13,18 page 3, line 25 - page 4, line 15; figures 1-4 DE 11 44 569 B (ASEA AB) A 1,2, 28 February 1963 (1963-02-28) 12-14,18 column 2, line 30 - column 3, line 59; figures 1,2 EP 0 790 086 A (BOEHLER EDELSTAHL) A 1,18 20 August 1997 (1997-08-20) the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. • Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention *E* earlier document but published on or after the International *X* document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the *O* document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docuother means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 03/08/2004 23 July 2004 Name and mailing address of the ISA **Authorized officer** European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Ritter, F Fax: (+31-70) 340-3016

Fu,,	IB2004/	000894
------	---------	--------

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1356875	A	29-10-2003	IT EP EP US US	1356876	A2 A2 A1	27-10-2003 29-10-2003 29-10-2003 30-10-2003 30-10-2003
DE 7916259	U	27-09-1979	DE	7916259	U1	27-09-1979
DE 1144569	В	28-02-1963	NONE			<u> </u>
EP 0790086	Α	20-08-1997	AT AT AT DE EP ES	406556 27896 228902 59708848 0790086 2185898	A T D1 A2	26-06-2000 15-11-1999 15-12-2002 16-01-2003 20-08-1997 01-05-2003